

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Currently Amended) A computer system comprising:
2 an application;
3 a sub-system for having an interaction with the application;
4 an interceptor system including:
5 a proxy having an interaction with the application,
6 a customization module providing a customization and having an interaction with
7 the proxy, and
8 a dispatcher having an interaction with the customization module and having an
9 interaction with the sub-system;
10 a customization repository for containing the customization module;
11 a service having an interaction with the customization repository;
12 a client having an interaction with the service; and
13 a control having an interaction with the customization repository and the service for
14 causing customization of the service and the client by disposing the proxy of the
15 interceptor system to interact with the application and the dispatcher of the
16 interceptor system to interact with the sub-system,
17 the customization repository to store an additional customization module providing
18 another customization, the control to add the additional customization module to
19 the interceptor system while the application is running.

1 2. (Original) The computer system as claimed in claim 1 wherein:
2 the client has an interaction with the customization repository, the client responsive to the
3 control through the service for causing customization of the service and the client
4 by disposing the proxy of the interceptor system to interact with the application
5 and the dispatcher of the interceptor system to interact with the sub-system.

1 3. (Original) The computer system as claimed in claim 1 including:
2 a customization developer system having an interaction with the customization repository
3 for providing customizations thereto while the service is interacting with the
4 client.

1 4. (Currently Amended) The computer system as claimed in claim 1 ~~including:~~
2 ~~a plurality of customization modules, wherein~~ each of the ~~plurality of~~ customization
3 modules ~~having~~ has a different customization;
4 and wherein:
5 the proxy includes a customization control for controlling the interaction of the ~~plurality~~
6 of customization modules with the proxy.

1 5. (Currently Amended) The computer system as claimed in claim 1 including:
2 a plurality of sub-systems;
3 ~~a plurality of customization modules, wherein~~ each of the plurality of subsystems having
4 one of the ~~plurality of~~ customization modules ~~having~~ has a different function; and
5 a customization control for controlling the interaction of the plurality of sub-systems with
6 the dispatcher.

1 6. (Previously Presented) The computer system as claimed in claim 1 wherein:
2 the service includes a customization deployment interface for interacting with the control
3 to cause a group including the service and the client to obtain a customization.

1 7. (Currently Amended) The computer system as claimed in claim 1 wherein:
2 [[the]] each customization module is for customization of a non-functional property of
3 the computer system.

1 8. (Currently Amended) The computer system as claimed in claim 1 wherein:
2 [[the]] each customization module is selected from a group consisting of performance
3 related, security related, and failure related modules.

1 9. (Currently Amended) A computer system comprising:
2 an application;
3 a sub-system for having an interaction with the application;
4 an interceptor system between the application and the sub-system including:
5 a customization control;
6 a proxy having an interaction with the application ~~and including a customization~~
7 ~~control,~~
8 a first customization module providing a first customization for a first
9 non-functional property of the computer system and having an interaction
10 with the proxy, and
11 a dispatcher having an interaction with the first customization module and having
12 an interaction with the sub-system;
13 a customization repository for containing a second customization module providing a
14 second customization for a second non-functional property,
15 the customization control to add the second customization module to the interceptor
16 system while the application is running.

1 10. (Currently Amended) A computer system comprising:
2 an application;
3 a plurality of sub-systems for having an interaction with the application;
4 an interceptor system including:
5 a customization control;
6 a proxy having an interaction with the application ~~and including a customization~~
7 ~~control,~~
8 a plurality of customization modules providing customizations for a plurality of
9 non-functional properties of the computer system and having an
10 interaction with the proxy as controlled by the customization control, and
11 a dispatcher having a selectable interaction with the plurality of customization
12 modules and having an interaction with the plurality of sub-systems;
13 a customization repository for containing the customization modules,
14 the customization control to install at least one of the customization modules to the
15 interceptor system while the application is running.

1 11. (Previously Presented) A software system comprising:
2 an application;
3 a sub-system to interact with the application; and
4 an interceptor system between the application and sub-system, including:
5 a proxy to interact with the application;
6 a first customization module providing a first customization, the first
7 customization module to interact with the proxy;
8 a dispatcher to interact with the customization module and with the sub-system;
9 and
10 a second customization module providing a second customization, the second
11 customization module to interact with the proxy and the dispatcher,
12 the interceptor system to enable addition of the second customization module to
13 the interceptor system while the application is running.

1 12. (Previously Presented) The software system as claimed in claim 11 including:
2 a control for causing the proxy of the interceptor system to interact with the application
3 and the dispatcher of the interceptor system to interact with the sub-system.

1 13. (Previously Presented) The software system as claimed in claim 11 including:
2 a customization developer system for developing additional customization modules; and
3 a customization repository to store the additional customization modules,
4 the additional customization modules in the customization repository to be communicated
5 to the interceptor system over a link.

1 14. (Previously Presented) The software system as claimed in claim 11 wherein:
2 the proxy includes a customization control for controlling the interaction of the first and
3 second customization modules with the proxy.

1 15. (Previously Presented) The software system as claimed in claim 11 including:
2 a plurality of sub-systems; and
3 a customization control for controlling the interaction of the plurality of sub-systems with
4 the dispatcher connected to a group including the application, the proxy, and the
5 dispatcher.

1 16.-17. (Cancelled)

1 18. (Currently Amended) The software system as claimed in claim 11 wherein:
2 the customization modules are ~~module~~ is selected from a group consisting of performance
3 related, security related, and failure related modules.

1 19. (Currently Amended) A software system comprising:
2 an application;
3 a sub-system for having an interaction with the application; and
4 an interceptor system including:
5 a proxy having an interaction with the application and including a customization
6 control;
7 a customization module to perform a non-functional operation of the software
8 system and having an interaction with the proxy, the non-functional
9 operation comprising a failover operation,
10 the customization control to control interaction of the customization module with
11 the proxy; and
12 a dispatcher having an interaction with the customization module and having an
13 interaction with the sub-system,
14 wherein the customization control adds another customization module to the
15 interceptor system while the application is running, the another
16 customization module to perform an additional non-functional operation.

1 20. (Currently Amended) A software system comprising:

2 an application;

3 a plurality of sub-systems for having an interaction with the application; and

4 an interceptor system including:

5 a proxy having an interaction with the application and including a customization

6 control ~~for controlling the interaction of the customization module with~~

7 ~~the proxy;~~

8 a plurality of customization modules providing customizations for a plurality of

9 non-functional properties of the software system and having an interaction

10 with the proxy, the non-functional properties comprising at least failure

11 masking and performance measurement; [[and]]

12 a dispatcher having a selectable interaction with the plurality of customization

13 modules and having an interaction with the plurality of sub-systems; and

14 a customization control to add at least one of the customization modules to the

15 interceptor system while the application is running.

1 21. (Previously Presented) The software system of claim 11, the interceptor system
2 to enable removal of the first customization module while the application is running.

1 22. (Previously Presented) The software system of claim 11, wherein the
2 customization provided by the first customization module comprises at least one of performance
3 measurement and failure masking.

1 23. (Previously Presented) The software system of claim 11, wherein the proxy has
2 an interface to the application; and the first customization module has a first interface to the
3 proxy, and a second interface to the dispatcher.

1 24. – 25. (Cancelled)

1 26. (Previously Presented) The computer system of claim 9, wherein the first
2 non-functional property comprises failover control.

1 27. (Previously Presented) The computer system of claim 9, wherein the first
2 non-functional property comprises error handling and the second non-functional property
3 comprises performance measurement.

1 28. (Previously Presented) The computer system of claim 9, wherein the first
2 non-functional property comprises failure masking.